

04-07-00

04/06/00

JC690 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NAK1-BK59

Total Pages in this Submission

JC525 U.S. PTO

09/5406

04/06/00

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**A MULTI-WORD ARITHMETIC DEVICE FOR FASTER COMPUTATION OF
CRYPTOSYSTEM CALCULATIONS**

and invented by:

Natsu me Matsuzaki et al.

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having seventy (70) pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NAK1-BK59

Total Pages in this Submission

Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal Number of Sheets Eighteen (18)
- b. ☐ Informal Number of Sheets _____
4. ☒ Oath or Declaration
- a. ☒ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (identical to computer copy)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EM342593078US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
NAK1-BK59

Total Pages in this Submission

Accompanying Application Parts (Continued)

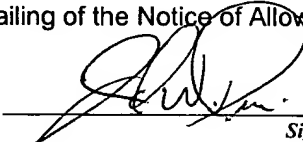
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Additional Enclosures (please identify below):

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	17	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	2	- 3 =	0	x \$78.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$690.00
OTHER FEE (specify purpose) Assignment Recordation					\$40.00
TOTAL FILING FEE					\$730.00

- ☒ A check in the amount of \$730.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 16-2462 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).


Signature
Joseph W. Price, Reg. No. 25,124
PRICE, GESS & UBELL
2100 S. E. Main St., Ste. 250
Irvine, CA 92614
Tel: 949/261-8433

Dated: April 6, 2000

CC:

JOSEPH W. PRICE
ALBIN H. GESS
FRANKLIN D. UBELL
MICHAEL J. MOFFATT
GORDON E. GRAY III
BRADLEY D. BLANCHE

PRICE, GESS & UBELL
ATTORNEYS AT LAW

2100 S.E. MAIN STREET, SUITE 250
IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION
TELEPHONE: (949) 261-8433
FACSIMILE: (949) 261-9072
FACSIMILE: (949) 261-1726

e-mail: pgu@pgulaw.com

DRAWINGS - EIGHTEEN (18) SHEETS

Applicant(s): Natsume Matsuzaki et al.

Title: A MULTI-WORD ARITHMETIC DEVICE FOR FASTER
COMPUTATION OF CRYPTOSYSTEM CALCULATIONS

Attorney's
Docket No.: NAK1-BK59

"EXPRESS MAIL" MAILING
LABEL NO. EM342593078US

DATE OF DEPOSIT: April 6, 2000

JOSEPH W. PRICE
ALBIN H. GESS
FRANKLIN D. UBELL
MICHAEL J. MOFFATT
GORDON E. GRAY III
BRADLEY D. BLANCHE

PRICE, GESS & UBELL
ATTORNEYS AT LAW

2100 S.E. MAIN STREET, SUITE 250
IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION
TELEPHONE: (949) 261-8433
FACSIMILE: (949) 261-9072
FACSIMILE: (949) 261-1726
e-mail: pgu@pgulaw.com

SPECIFICATION, CLAIMS, AND ABSTRACT
Seventy (70) Pages

Applicant(s): Natsume Matsuzaki et al.
Title: A MULTI-WORD ARITHMETIC DEVICE FOR FASTER
COMPUTATION OF CRYPTOSYSTEM CALCULATIONS
Attorney's
Docket No.: NAK1-BK59

"EXPRESS MAIL" MAILING
LABEL NO. EM342593078US

DATE OF DEPOSIT: April 6, 2000

JOSEPH W. PRICE
ALBIN H. GESS
FRANKLIN D. UBELL
MICHAEL J. MOFFATT
GORDON E. GRAY III
BRADLEY D. BLANCHE

PRICE, GESS & UBELL
ATTORNEYS AT LAW

2100 S.E. MAIN STREET, SUITE 250
IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION
TELEPHONE: (949) 261-8433
FACSIMILE: (949) 261-9072
FACSIMILE: (949) 261-1726
e-mail: pgu@pgulaw.com

**DECLARATION AND POWER OF
ATTORNEY FOR PATENT APPLICATION**

Applicant(s): Natsume Matsuzaki et al.
Title: A MULTI-WORD ARITHMETIC DEVICE FOR FASTER
COMPUTATION OF CRYPTOSYSTEM CALCULATIONS
Attorney's
Docket No.: NAK1-BK59

**"EXPRESS MAIL" MAILING
LABEL NO. EM342593078US**

DATE OF DEPOSIT: April 6, 2000